

ABSTRACT

This final project presents the research about making of wireless network GSM simulation using software. To reach that intention, it need to design for GSM network topology. For making of network topology is used access method each of network. For wireless network GSM used TDMA access method.

In this final project will be shown a base station and four mobile station doing data communication or sending data. In this final project book, it is described about process making of simulation each of network used program language of NS2.

In fact, the data which is sent or received by us usually in certain form. The data is in character or text form without knowing the process of data's distribution. This final project will be explained the process of data's communication for wireless network GSM so that the data which been through the process will be received. In order to reach that, Network Simulator will be possible in knowing the process of data's communication for wireless network GSM.

Key words : Access Method, TDMA, Network Simulator (NS2)